



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

647.3702

Job Sheet 207968



Part No: 647.3702

Job Qty: 1 pcs

Part Name: 412 Cable Cutter System, High



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 3/9/20

Job Tracking No:

Due Date: 4/2/20

Created By: Marie Lajeunesse

Type: Stock *SAD*

Description:

Note: DWG 647.3700 REV.A IPP REV:A 12.10.26 NEW ISSUE DD VERF:JLM IPP REV:B 15.01.26 as per ecr 14-214 DD VERF:JLM IPP REV:C AS PER REV NC3 15.03.18 JLM VERIFIED BY:DD IPP REV:D 18.01.19 AS PER DWG REV.A DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Packaging 1 - Pick Kit	1 pcs		4/2/20	0.00	0.00	Packaging 1 - 1		
							Packaging 1 - 2		
							Packaging 1 - 3		
							Packaging 1 - 4		
							Packaging 1 - 5		
							Packaging 1 - 6		
							Packaging 1 - 7		
							Packaging 1 - 8		
							Packaging 1 - 9		
							Packaging 1 - 10		
							Packaging 1 - 11		
							Packaging 1 - 12		
							Packaging 1 - 13		
							Packaging 1 - 14		
							Packaging 1 - 15		
							Packaging 1 - 16		
							Packaging 1 - 17		
							Packaging 1 - 18		
							Packaging 1 - 19		
							Packaging 1 - 20		
							Packaging 1 - 21		
							Packaging 1 - 22	DAS	
							Packaging 1 - 23	84	
							Packaging 1 - 24	9-89	
							Packaging 1 - 25		
							Packaging 1 - 26		
							Packaging 1 - 27		
							Packaging 1 - 28		
							Packaging 1 - 29		
							Packaging 1 - 30		

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com



Container No: S265843

Part: 647.3702

Job No: 207968

Serial No/Batch: S265843

Revision: A

Inspector:

Exp Date:

Instructions: FAA STC SR02289LA 17/02/07 v236nSTC LoA RI

Plex 3/9/20 8:48 AM Dart.lajeunesse.marie

					Packaging 1 - 31	
					Packaging 1 - 32	
					Packaging 1 - 33	
					Packaging 1 - 34	
					Packaging 1 - 35	
					Packaging 1 - 36	
					Packaging 1 - 37	
120	QC 4	1 pcs	4/2/20	0.00 0.00	QC 4 - 28	
					QC 4 - 58	
					QC 4 - 69	
					QC 4 - 9	
					QC 4 - 46	
					QC 4 - 68	DAS
					QC 4 - 72	72
					QC 4 - 74	9-89
					QC 4 - 75	
					QC 4 - 78	
					QC 4 - 84	
					QC 4 - 80	
					QC 4 - 85	
130	Packaging 3-1 - Stock - B4B	1 pcs	4/2/20	0.00 0.00	Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	DAS
					Packaging 3 - 25 - B4B	72
					Packaging 3 - 26 - B4B	9-89
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
					Packaging 3 - 37 - B4B	DAS
135	DC - 1 - B4B	1 pcs	4/2/20	0.00 0.00	DC - 1 - B4B	21
					DC - 2 - B4B	9-89
						MAR 30 2020
						Plex 3/9/20 8:48 AM Dart.lajeunesse.marie

MAR 30 2020

140 QC 21 - FG

1 pcs

4/2/20

0.00 0.00

QC 21 - FG - 21

DAS

21

0.00

QC 21 - FG - 70

QC 21 - SA - 53

Part Op 110 - (Pick Kit)

Descriptions: 120 - (QC4- 100% Inspect kits for completeness)

130 - Identify and pack for shipping as per PPP 647.3702

135 - (Document Control) Photocopy bluefile & type labels per PPP 647.3702

140 - (QC21- Final Inspection - Work Order Release)

015169

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
600.1012	Sealant PR1425B2 (#654 sem) 10-31-2020	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5258474
601.2045	RTV (LOCTITE 598) 02-28-2021	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	5246985
601.3073	Connector p/n 082-4440	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5255629
601.3083	Adhesive Rubber Seal	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5255629
647.3801	412 Upper Cutter Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5161639
647.3804	204,205,212,214,412 Lower Cutter Assembly High	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5261907
647.3903	Deflector Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5262577
647.4010	Wiper Deflector RH	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5194992
647.4011	Wiper Deflector LH	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5153467
647.4110	Doubler	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5209258
647.4111	Doubler	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5237307
647.4112	Clip	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5237018
647.4113	Clip	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5152001
647.4114	Shim	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5251778
647.4115	Shim	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5237313
647.4116	Shim	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5058999
647.4210	Bracket LH	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5203301
647.4211	Bracket RH	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5203321
647.4310	LH Lower Strut	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5262834
647.4311	RH Lower Strut	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5262271
647.4312	LH Upper Strut	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5136890
647.4313	RH Upper Strut	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5137531
647.4410	Rail	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5153842
AN3-11A	Bolt	8 Ea (8 ea)	110-Packaging 1 - Pick Kit	5249339
AN3-4A	Bolt	3 Ea (3 ea)	110-Packaging 1 - Pick Kit	5251938
AN3C10A	Bolt	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5241209
CCR264SS-3-03	Cherry Rivet see item CCR264SS3-3	16 Ea (16 ea)	110-Packaging 1 - Pick Kit	5235321
CCR264SS3-04	Rivet	12 Ea (12 ea)	110-Packaging 1 - Pick Kit	5258467
CR3212-4-2	Cherry Rivet	12 Ea (12 ea)	110-Packaging 1 - Pick Kit	5228020
CR3212-4-3	Cherry Rivet	17 Ea (17 ea)	110-Packaging 1 - Pick Kit	5216020
CR3212-4-4	Cherry Rivet	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5163232
CR3213-4-2	Cherry Rivet	13 Ea (13 ea)	110-Packaging 1 - Pick Kit	5249534
CR3213-4-3	Rivet, Cherry	32 Ea (32 ea)	110-Packaging 1 - Pick Kit	5228824
CR3213-4-4	Rivet, Cherry	19 Ea (19 ea)	110-Packaging 1 - Pick Kit	5253020
CR3213-4-5	Rivet	42 Ea (42 ea)	110-Packaging 1 - Pick Kit	5160305
CR3213-4-8	Rivet	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5067267
MS21042L08	Nut	18 Ea (18 ea)	110-Packaging 1 - Pick Kit	5250462
MS21042L3	Nut	79 Ea (79 ea)	110-Packaging 1 - Pick Kit	5248061
MS21047-3	Nut Plate	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5216288
MS21047L06	Nut Plate	6 Ea (6 ea)	110-Packaging 1 - Pick Kit	5237844
MS21047L08	Nut Plate	6 Ea (6 ea)	110-Packaging 1 - Pick Kit	5107432
MS21071L3	Anchor Nut	4 pcs (4 ea)	110-Packaging 1 - Pick Kit	5257379
MS24694-C53	Screw	8 Ea (8 ea)	110-Packaging 1 - Pick Kit	5259648
MS24694-S49	Screw	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	52129702
MS27039-08-08	Screw	16 Ea (16 ea)	110-Packaging 1 - Pick Kit	5228739
MS27039-08-11	Screw	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5020601
MS27039-1-07	Screw	12 Ea (12 ea)	110-Packaging 1 - Pick Kit	5250544
MS27039-1-09	Screw	14 Ea (14 ea)	110-Packaging 1 - Pick Kit	5133488
MS27039-1-10	Screw	42 Ea (42 ea)	110-Packaging 1 - Pick Kit	5231296
NAS1149F0332P	Washer (AN960-10L)	157 Ea (157 ea)	110-Packaging 1 - Pick Kit	5237779
NAS1149FN832P	Washer (AN960-8)	34 Ea (34 ea)	110-Packaging 1 - Pick Kit	5248086

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
110-Packaging 1 - Pick Kit	600.1012	1	22	0
	601.2045	1	34	0
	601.3073	1	5	0
	601.3083	1	9	0
	647.3801	1	3	0
	647.3804	1	4	0
	647.3903	1	3	0
	647.4010	1	14	0
	647.4011	1	5	0
	647.4110	1	11	0
	647.4111	1	12	0
	647.4112	1	13	0
	647.4113	1	5	0
	647.4114	2	15	0
	647.4115	2	22	0
	647.4116	1	5	0
	647.4210	1	7	0
	647.4211	1	6	0
	647.4310	1	1	0
	647.4311	1	1	0
	647.4312	1	6	0
	647.4313	1	4	0
	647.4410	1	9	0
	AN3-11A	8	353	0
	AN3-4A	3	437	0
	AN3C10A	2	26	0
	CCR264SS-3-03	16	654	0
	CCR264SS3-04	12	219	0
	CR3212-4-2	12	81	0
	CR3212-4-3	17	111	0
	CR3212-4-4	4	51	0
	CR3213-4-2	13	393	0
	CR3213-4-3	32	504	0
	CR3213-4-4	19	1,194	0
	CR3213-4-5	42	370	0
	CR3213-4-8	4	121	0
	MS21042L08	18	2,010	0
	MS21042L3	79	2,783	0
	MS21047-3	4	522	0
	MS21047L06	6	57	0
	MS21047L08	6	25	0
	MS21071L3	4	136	0
	MS24694-C53	8	111	0
	MS24694-S49	1	182	0
	MS27039-08-08	16	198	0
	MS27039-08-11	2	711	0
	MS27039-1-07	12	152	0
	MS27039-1-09	14	220	0
	MS27039-1-10	42	411	0
	NAS1149F0332P	157	4,249	0
	NAS1149FN832P	34	4,539	0
Part Specifications				
Specifications could not be found.				

Plex 3/9/20 8:48 AM Dart.lajeunesse.marie

Entered: _____ Date: _____



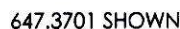
WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

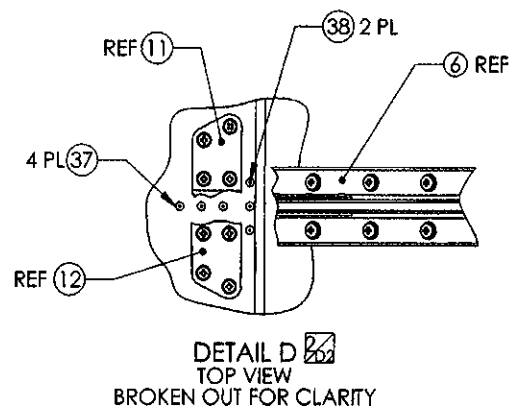
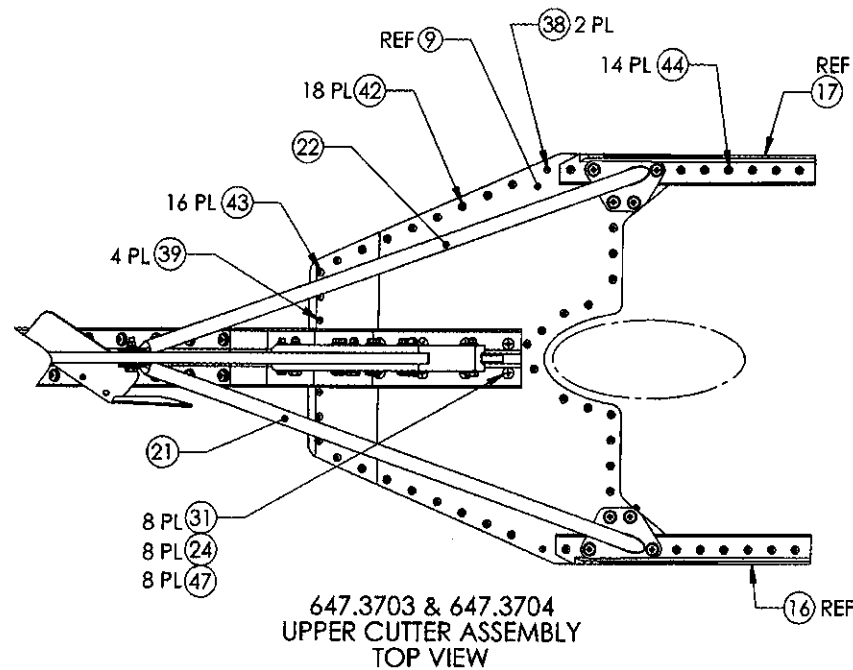
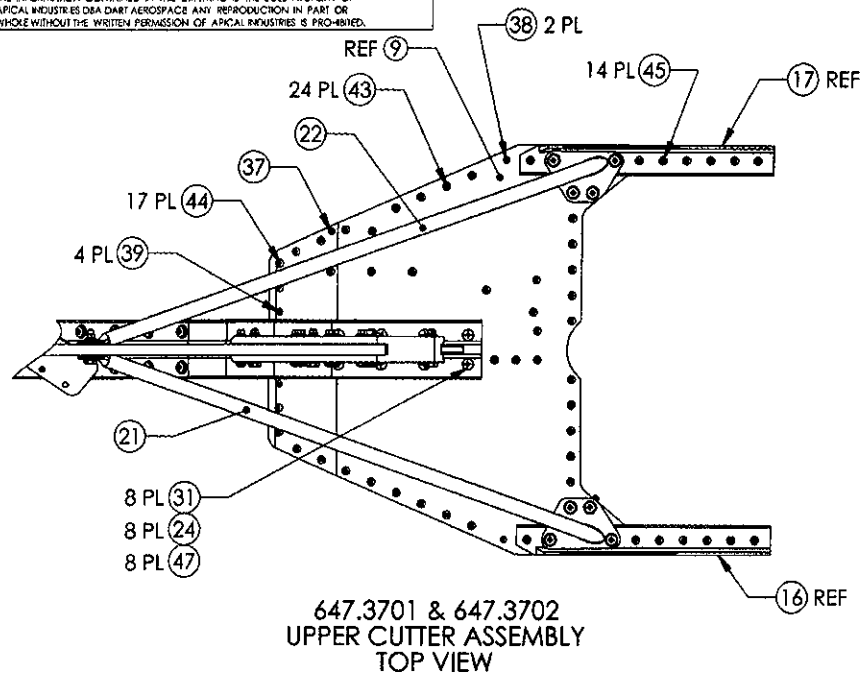
6 VENDOR: MCMaster-CARR
VENDOR P/N: 86715K27
60A DUROMETER

[illegible]

	31	31	13	13	42	601.1039	CHERRY RIVET		CR3213-4-2	
	16	16	16	16	41	601.2207	NUTPLATE RIVET		CCR2645S-3-03	
	12	12	12	12	40	601.2491	NUTPLATE RIVET		CCR2645S-3-04	
	7	7	4	4	39	601.1066	CHERRY RIVET		CR3215-4-4	
	17	17	17	17	38	601.1065	CHERRY RIVET		CR3212-4-3	
	11	11	12	12	37	601.1604	CHERRY RIVET		CR3212-4-2	
					36		DELETED			
	2	2	2	2	35	601.1874	BOLT		AN3C10A	
	8	8	8	8	34	601.2826	BOLT		AN3-11A	
	3	3	3	3	33	601.2823	BOLT		AN3-4A	
	1	1	1		32	601.3073			087-4440	⚠ ⚠
	8	8	8	8	31	601.2419	SCREW		MS24694C-53	
	1	1	1	1	30	601.3070	SCREW		MS24694-549	
	2	2	2	2	29	601.2893	SCREW		MS27039-0611	
	14	14	14	14	28	601.3049	SCREW		MS27039-1-09	
	16	16	16	16	27	601.2263	SCREW		MS27039-0808	
	42	42	42	42	26	601.1365	SCREW		MS27039-1-10	
	12	12	12	12	25	601.2198	SCREW		MS27039-1-07	
	157	157	157	157	24	601.1607	WASHER		NAS1149F0332P	
	34	34	34	34	23	601.2764	WASHER		NAS1149F0433P	
	1	1	1	1	22	647.4313	RH UPPER STRUT			
	1	1	1	1	21	647.4312	LH UPPER STRUT			
	1	1	1	1	20	647.4310	LH LOWER STRUT			
	1	1	1	1	19	647.4311	RH LOWER STRUT			
	1	1			18	647.4212				
	1	1	1	1	17	647.4211	BRACKET RH			
	1	1	1	1	16	647.4210	BRACKET LH			
	1	1	1	1	15	647.4116	SHIM			
	2	2	2	2	14	647.4115	SHIM			
	2	2	2	2	13	647.4114	SHIM			
	1	1	1	1	12	647.4113	CLIP			
	1	1	1	1	11	647.4112	CLIP			
	1	1	1	1	10	647.4111	DOUBLER			
	1	1	1	1	9	647.4110	DOUBLER			
	1	1	1	1	8	647.4011	WIPER DEFLECTOR LH			
	1	1	1	1	7	647.4010	WIPER DEFLECTOR RH			
	1	1	1	1	6	647.3903	DEFLECTOR ASSEMBLY			
	1	1	1	1	5	647.4410	RAIL			
	1	1	1		4	647.3804	LOWER CUTTER ASSY HIGH			
	1	1	1	1	3	647.3803	LOWER CUTTER ASSY LOW			
	1	1			2	647.3802	212 UPPER CUTTER ASSY			
			1	1	1	647.3801	412 UPPER CUTTER ASSY			
						647.3704	204, 205, 212, 214 CABLE CUTTERS KIT HIGH			
						647.3703	204, 205, 212, 214 CABLE CUTTERS KIT LOW			
						647.3702	412 CABLE CUTTERS KIT HIGH			
						647.3701	412 CABLE CUTTERS KIT LOW			
	3704	3703	3702	3701	FIND	PART #	DESCRIPTION		MAT'L	SPEC.

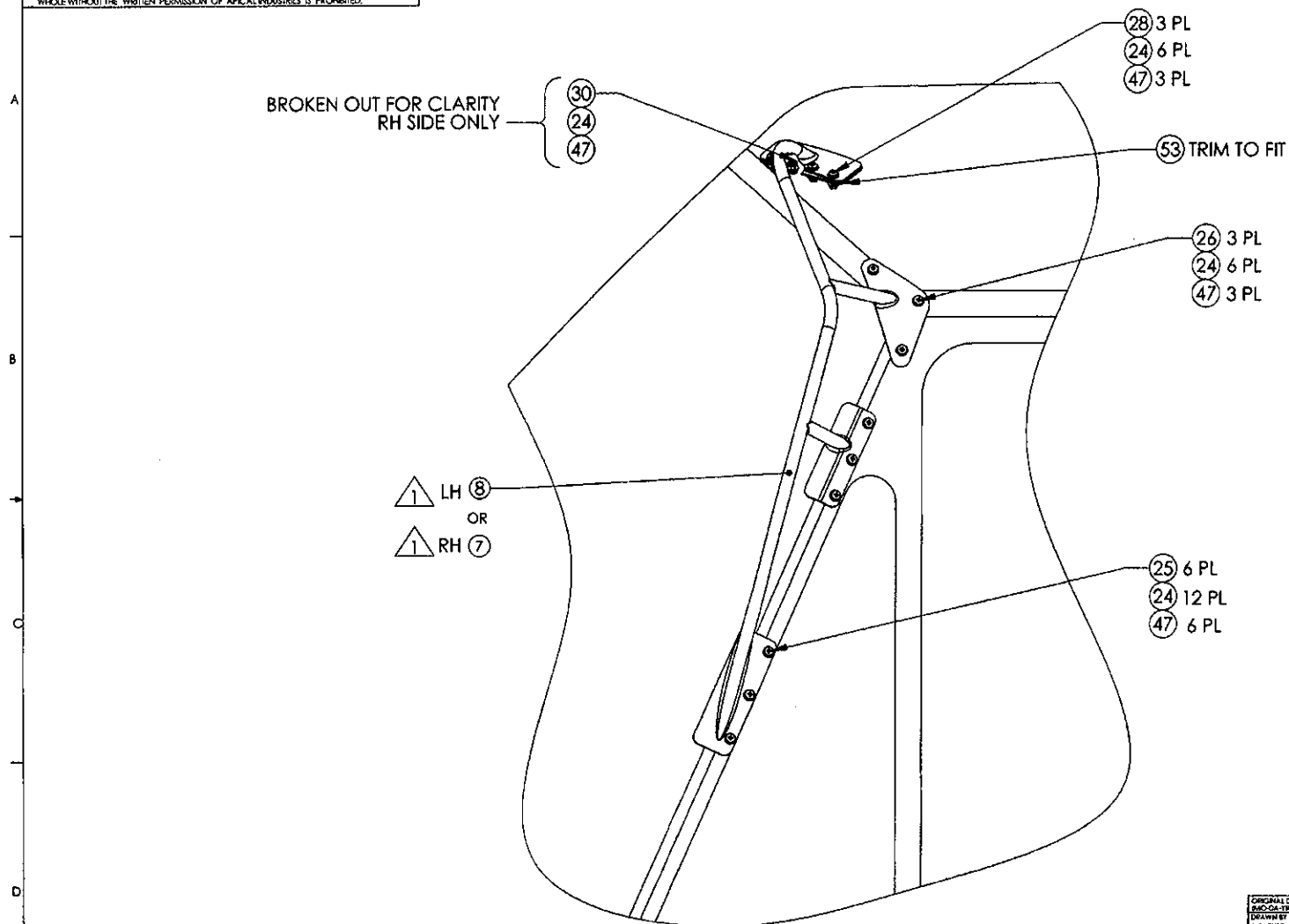
QTY		PARTS LIST	
NEXT ASSY (S)		 3030 ENTERPRISE CT., SUITE A VISTA, CA 92081-8347 (760)724-5300	
ORIGINAL DATE INVO-DAT-171 06-29-09 DRAWN BY J. JACKSON CHECKED D. BARBER DRAWING APPROVAL P. BRAVO 06-29-09 CONTRACT NO.		412 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE FRACTIONS DECIMALS INCHES FRACTIONS DECIMALS INCHES		REQ. CAGE CODE DWG. NO. 647.3700 REV. A SCALF. NONE SUBST. 1 OF 5	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DEIA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



ORIGINAL DATE JUN 1971	CHECKER D. BARNER	3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081-8347 (760)724-5300
DRAWN BY J. JACOBSON	DRAWING APPROVAL P. BRAYO	APICAL INDUSTRIES, INC. DEIA DART AEROSPACE
CONTRACT NO.		412. CABLE CUTTERS KIT
THREE COPIES OF THIS DRAWING ARE REQUIRED FOR THE FOLLOWING: 1. PLACES SHOWN IN 2-03 2. PLACES SHOWN IN 2-03 3. PLACES SHOWN IN 2-03 4. PLACES SHOWN IN 2-03	SEE CAGE CODE B 07M26	DWG. NO. 647.3700
SCALE NONE		REV. A SHEET 3 OF 5

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR
WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



DETAIL C 
LH SHOWN, RH OPPOSITE
2 PL

ORIGINAL DATA 860-04-171		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081-8347 (760)724-5300	
DRAWN BY J. JACKSON		D. BARBER	
DRAWING APPROVAL P. BRAVO			
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES 1. DECIMALS TO 2 PLACES 2. FRACTIONS TO 1/16 3. HOLE DIMENSIONS TO 1/32 4. ANGLES TO 1/2°			
SHEET B	CAGE CODE 07M126	DWG. NO. 647.3700	REV. A
SCALE NONE		SHEET 5 OF 5	